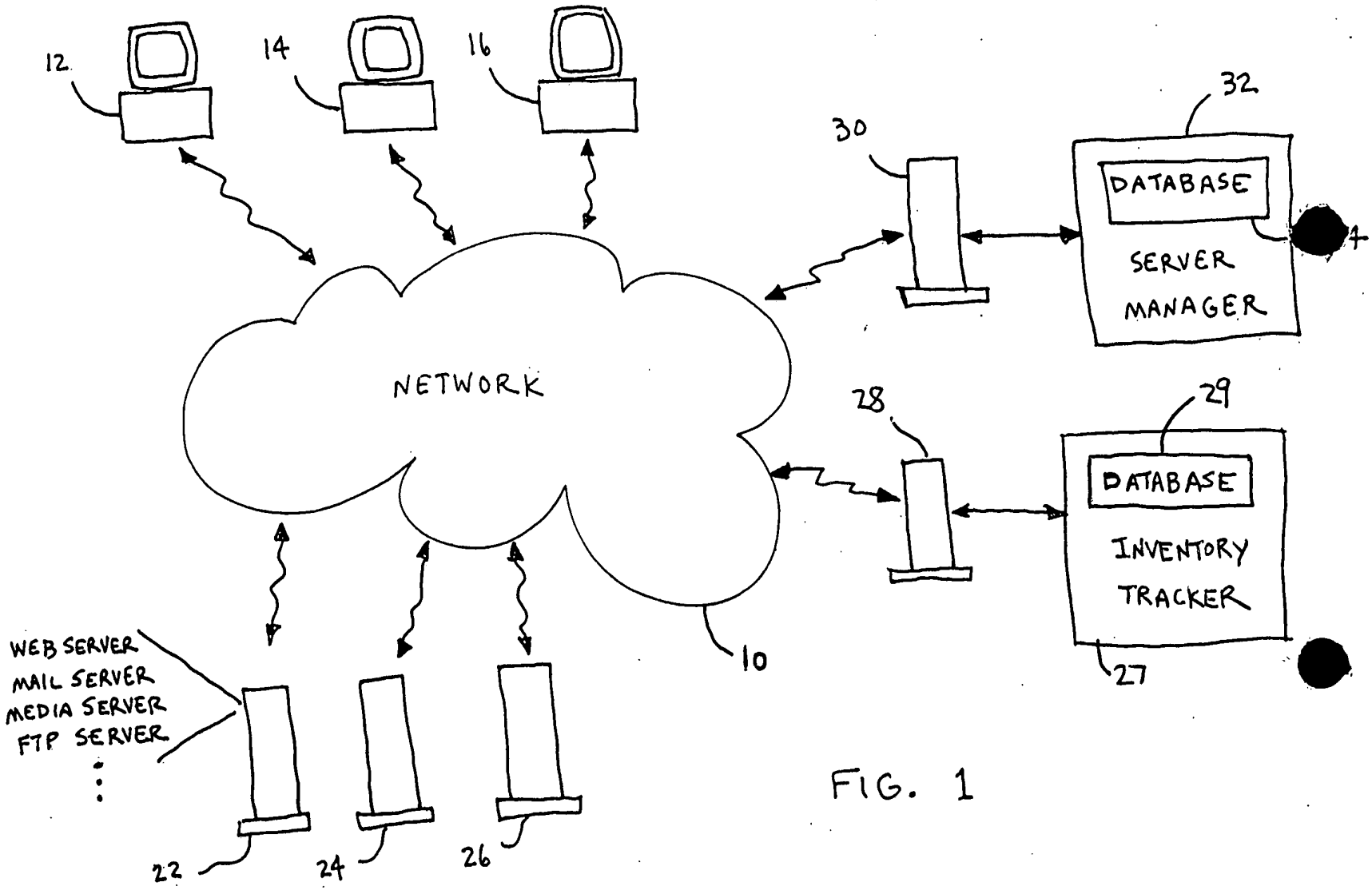

12
14
16
30
32
DATABASE
SERVER
MANAGER
4
NETWORK
28
29
DATABASE
INVENTORY
TRACKER
10
27
WEB SERVER
MAIL SERVER
MEDIA SERVER
FTP SERVER
22
24
26

FIG. 1

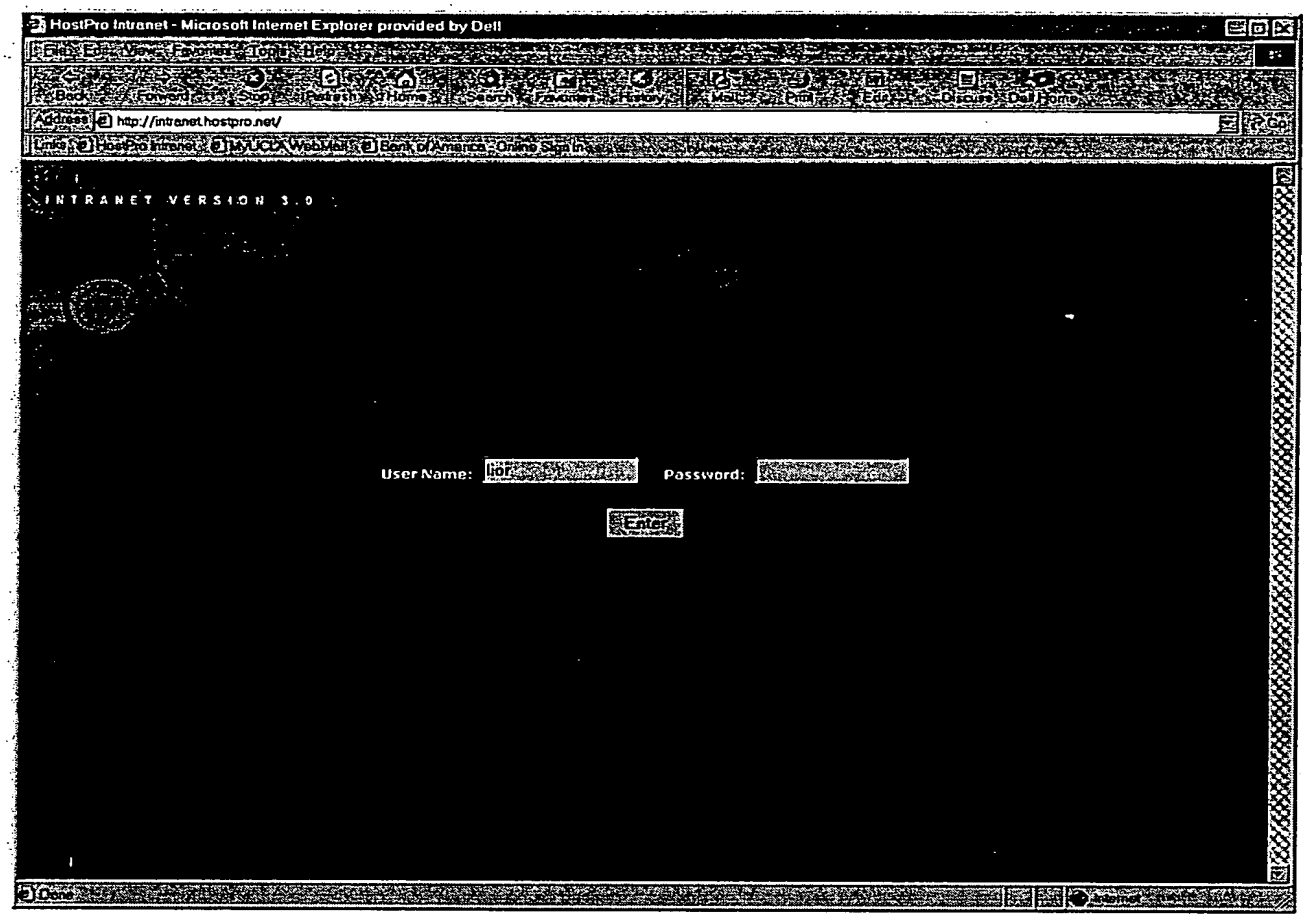

HostPro Intranet - Microsoft Internet Explorer provided by Dell
Address
http://intranet.hostpro.net/
INTRANET VERSION 3.0
User Name:
Password:
Enter

FIG. 2

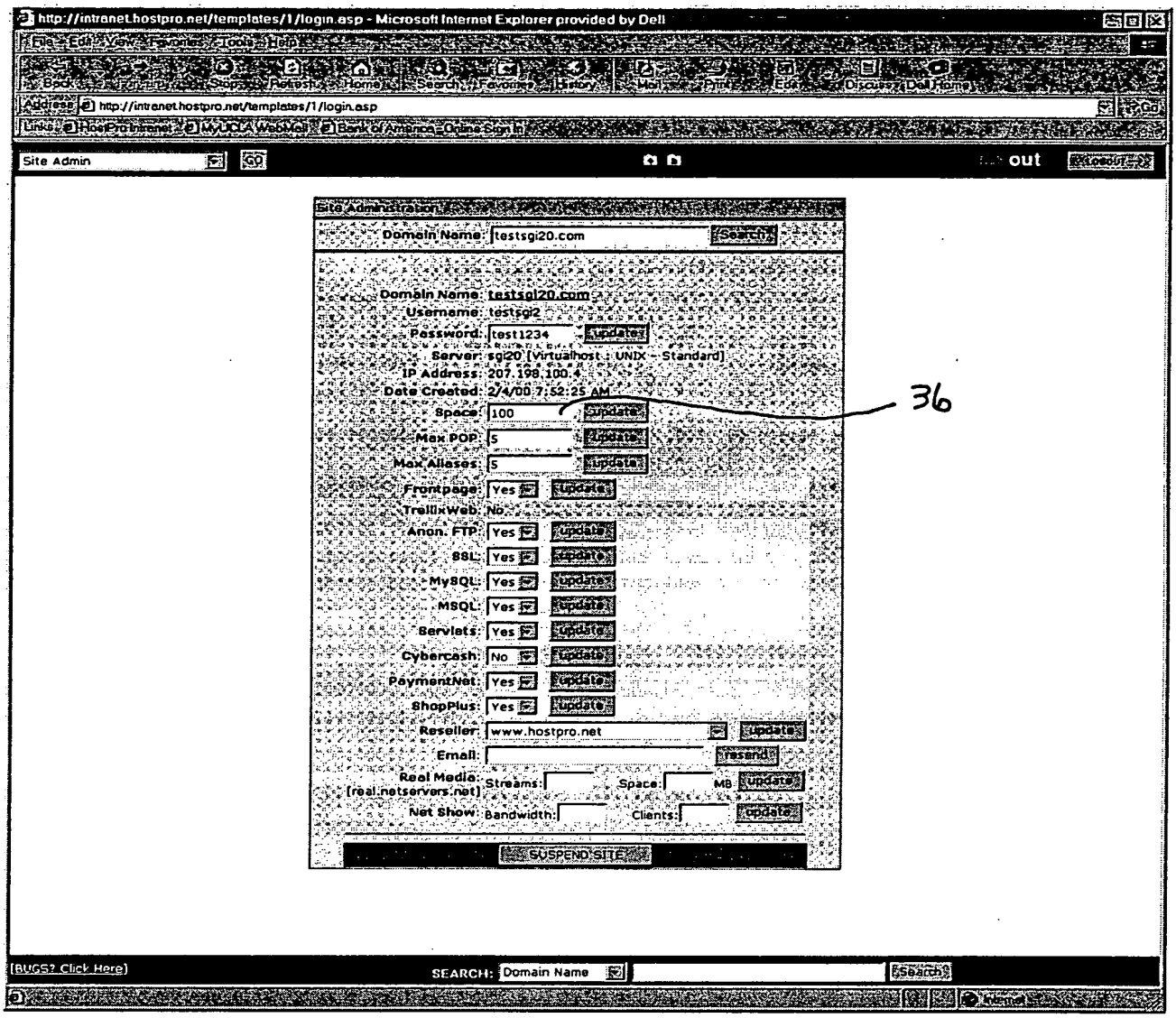

http://intranet.hostpro.net/templates/1/login.asp - Microsoft Internet Explorer provided by Dell
Site Admin
out
Site Administration
Domain Name: testsgi20.com
Search
Domain Name: testsgi20.com
Username: testsgi2
Password: test1234
Update
Server: sgi20 [Virtualhost - UNIX - Standard]
IP Address: 207.198.100.4
Date Created: 2/4/00 7:52:25 AM
Space: 100
Max POP: 5
Max Aliases: 5
Frontpage: Yes
TrellixWeb: No
Anon. FTP: Yes
SSL: Yes
MySQL: Yes
MSQL: Yes
Servlets: Yes
Cybercash: No
PaymentNet: Yes
ShopPlus: Yes
Reseller: www.hostpro.net
Email:
Resend
Real Media (real.netservers.net) Streams: Space: MB
Net Show Bandwidth: Clients:
SUSPEND SITE
36
[BUGS? Click Here]
SEARCH: Domain Name
Search

FIG. 3

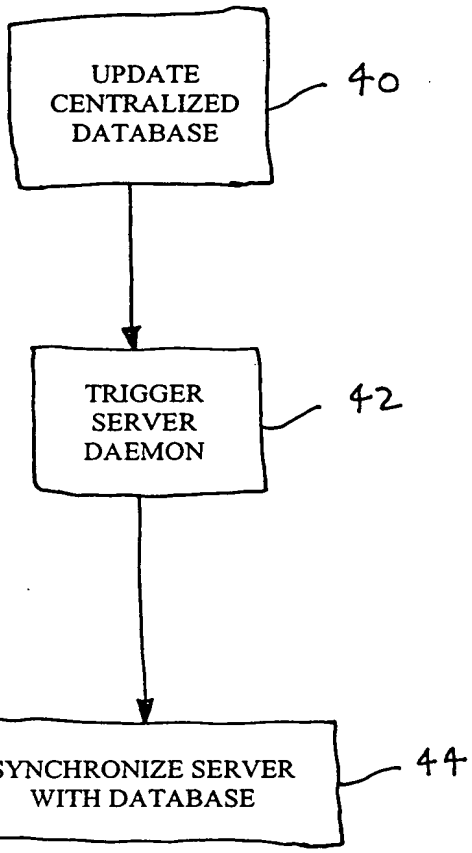

UPDATE CENTRALIZED DATABASE
40
TRIGGER SERVER DAEMON
42
SYNCHRONIZE SERVER WITH DATABASE
44

FIG. 4

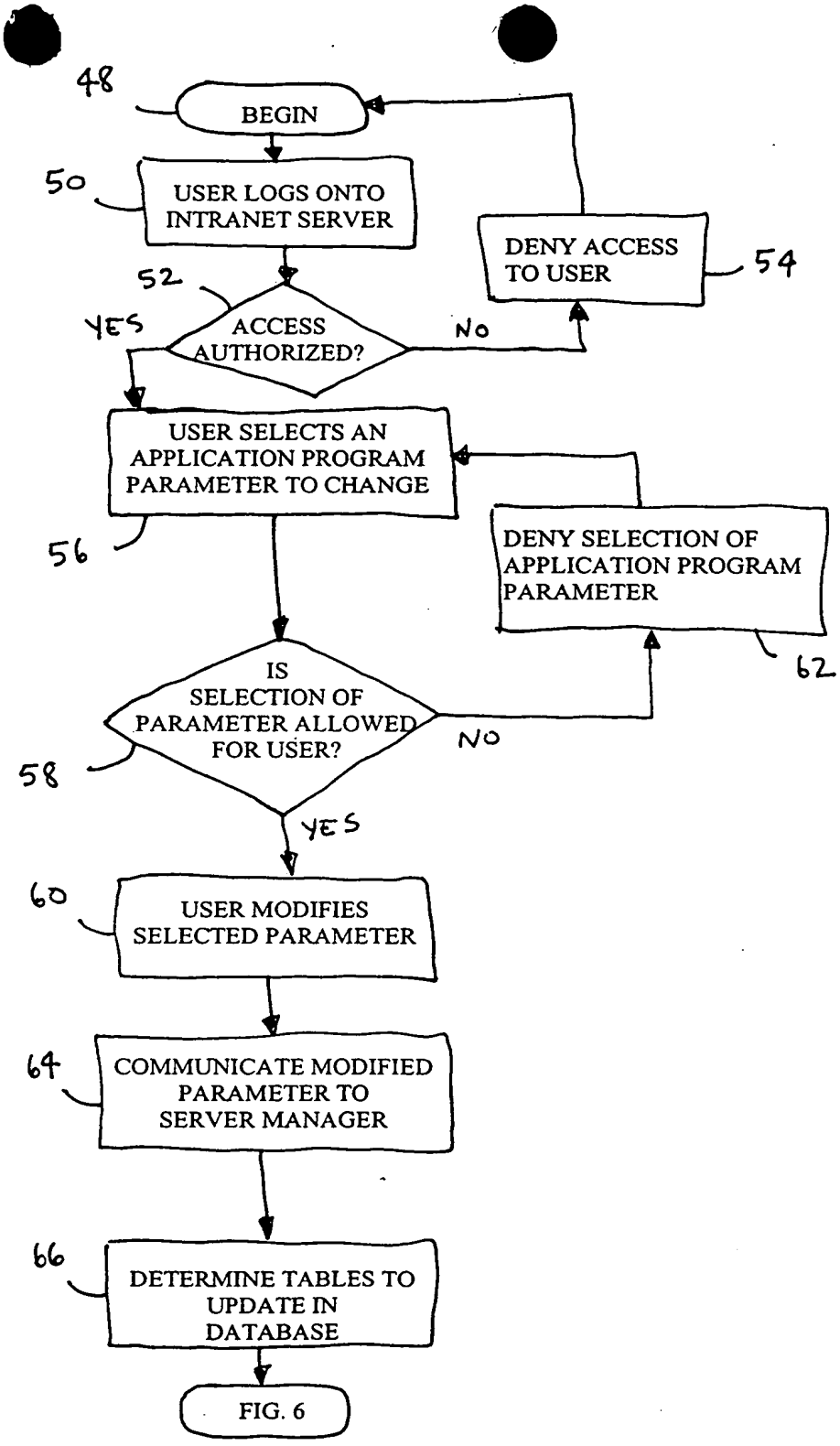

48
BEGIN
50
USER LOGS ONTO INTRANET SERVER
52
ACCESS AUTHORIZED?
YES
NO
DENY ACCESS TO USER
54
USER SELECTS AN APPLICATION PROGRAM PARAMETER TO CHANGE
56
DENY SELECTION OF APPLICATION PROGRAM PARAMETER
62
IS SELECTION OF PARAMETER ALLOWED FOR USER?
58
NO
YES
60
USER MODIFIES SELECTED PARAMETER
64
COMMUNICATE MODIFIED PARAMETER TO SERVER MANAGER
66
DETERMINE TABLES TO UPDATE IN DATABASE
FIG. 6

FIG. 5

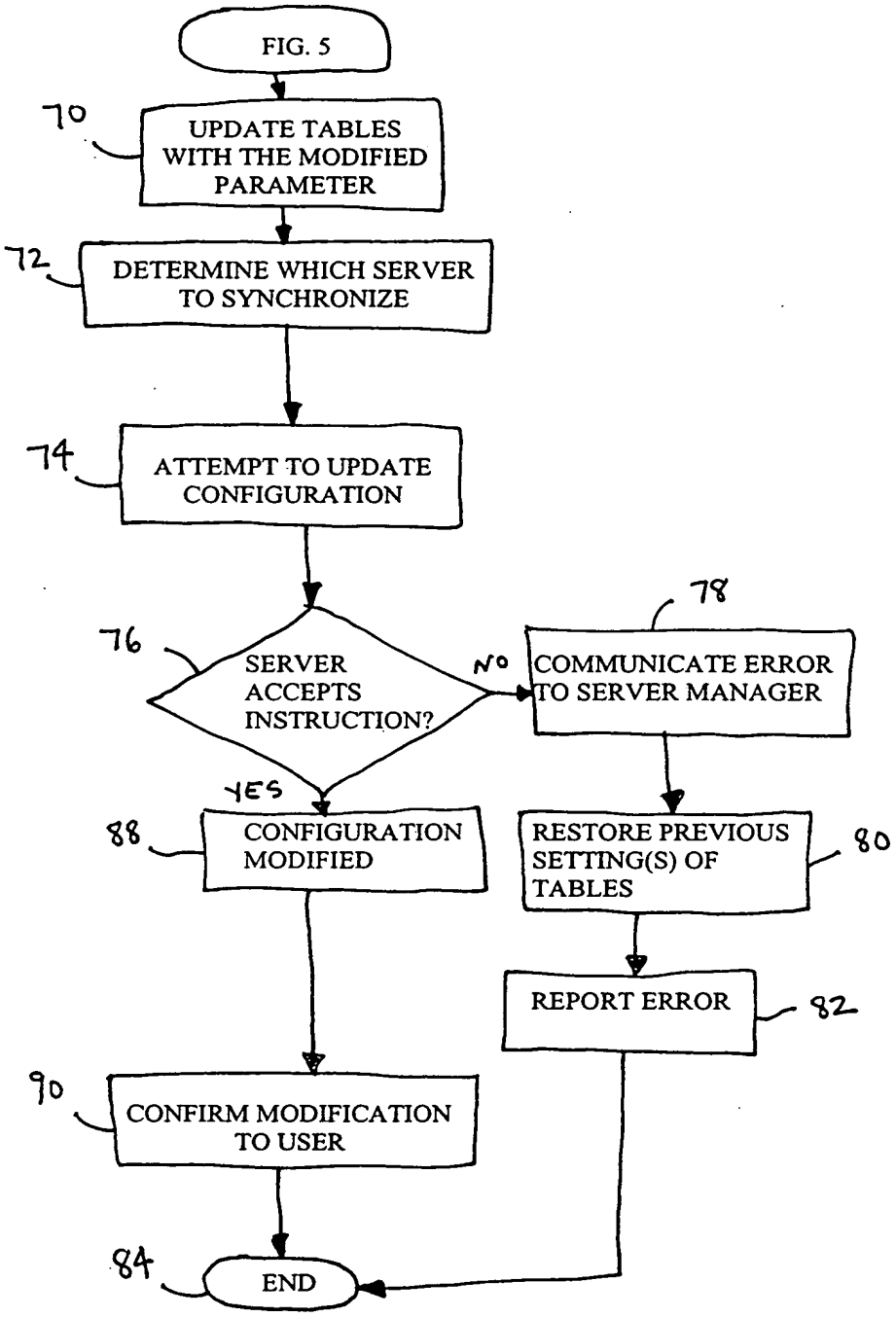


FIG. 5
70
UPDATE TABLES WITH THE MODIFIED PARAMETER
72
DETERMINE WHICH SERVER TO SYNCHRONIZE
74
ATTEMPT TO UPDATE CONFIGURATION
76
SERVER ACCEPTS INSTRUCTION?
NO
78
COMMUNICATE ERROR TO SERVER MANAGER
YES
88
CONFIGURATION MODIFIED
RESTORE PREVIOUS SETTING(S) OF TABLES
80
REPORT ERROR
82
90
CONFIRM MODIFICATION TO USER
84
END

FIG. 6

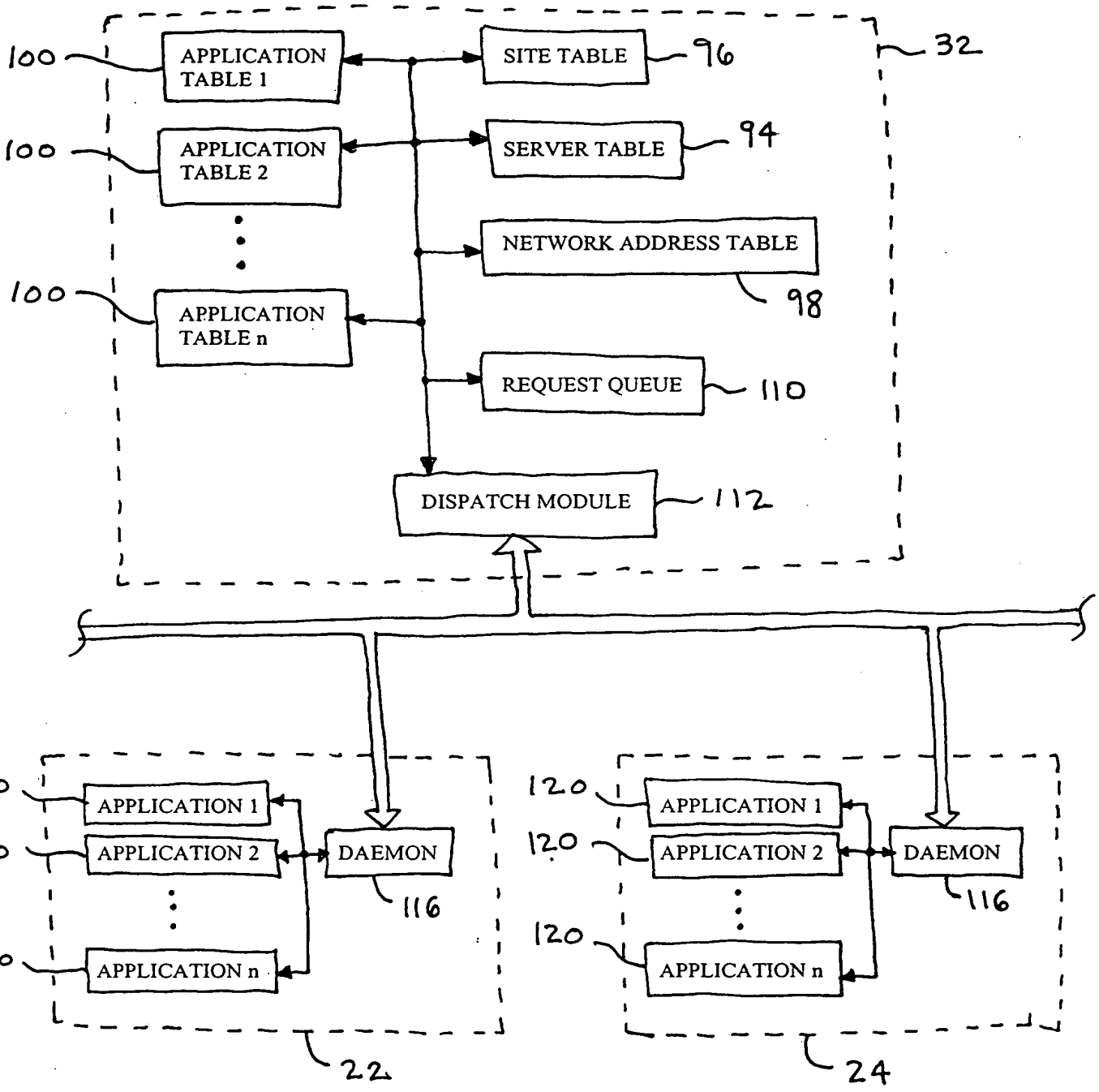

100
APPLICATION TABLE 1
100
APPLICATION TABLE 2
100
APPLICATION TABLE n
SITE TABLE
96
32
SERVER TABLE
94
NETWORK ADDRESS TABLE
98
REQUEST QUEUE
110
DISPATCH MODULE
112
120
APPLICATION 1
120
APPLICATION 2
120
APPLICATION n
DAEMON
116
22
120
APPLICATION 1
120
APPLICATION 2
120
APPLICATION n
DAEMON
116
24

FIG. 7

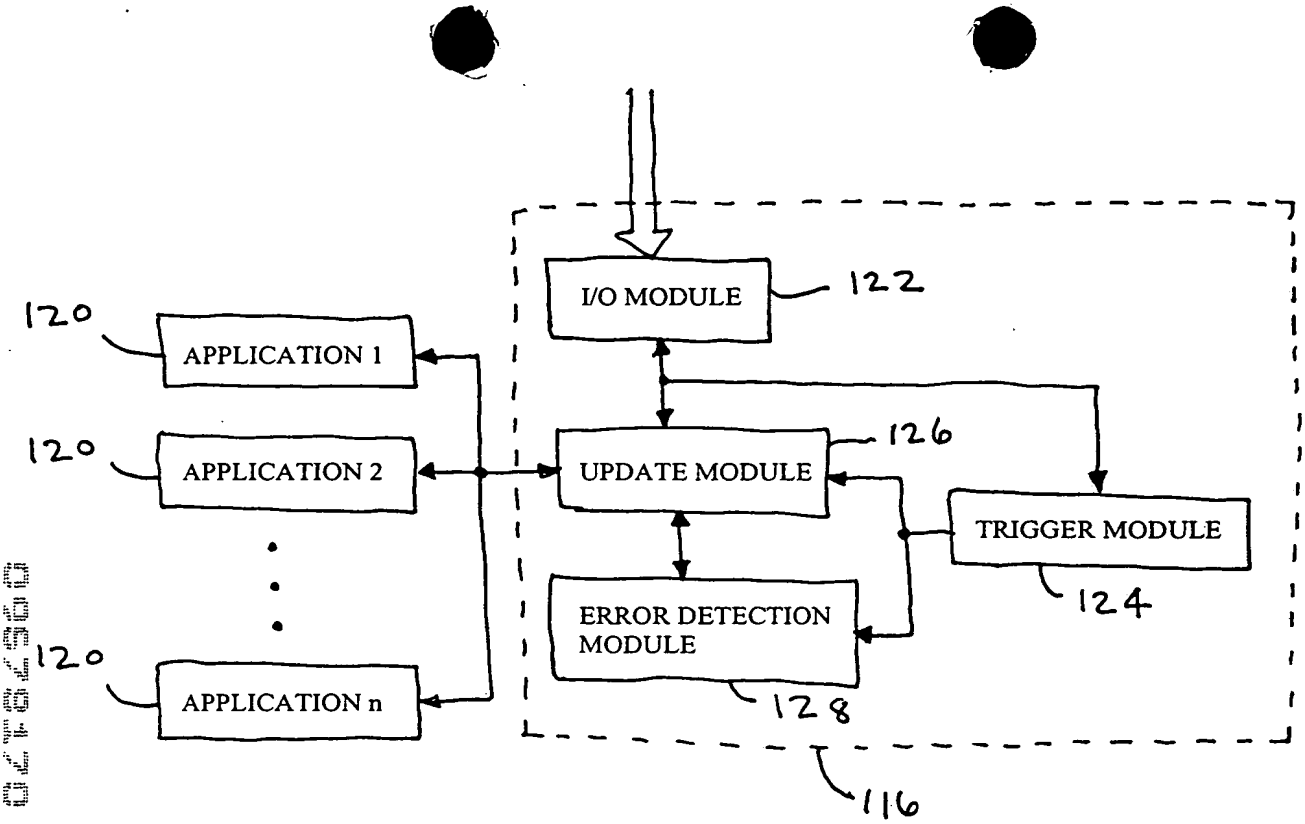
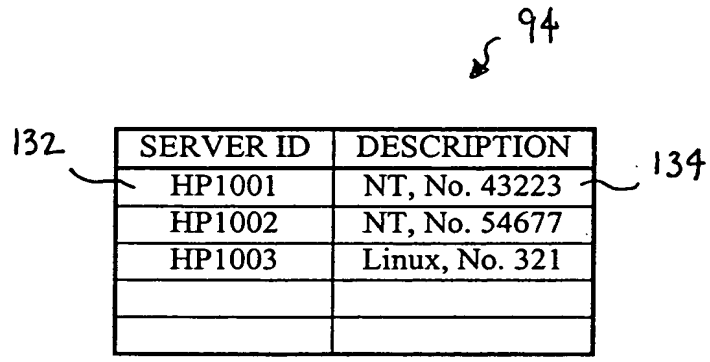
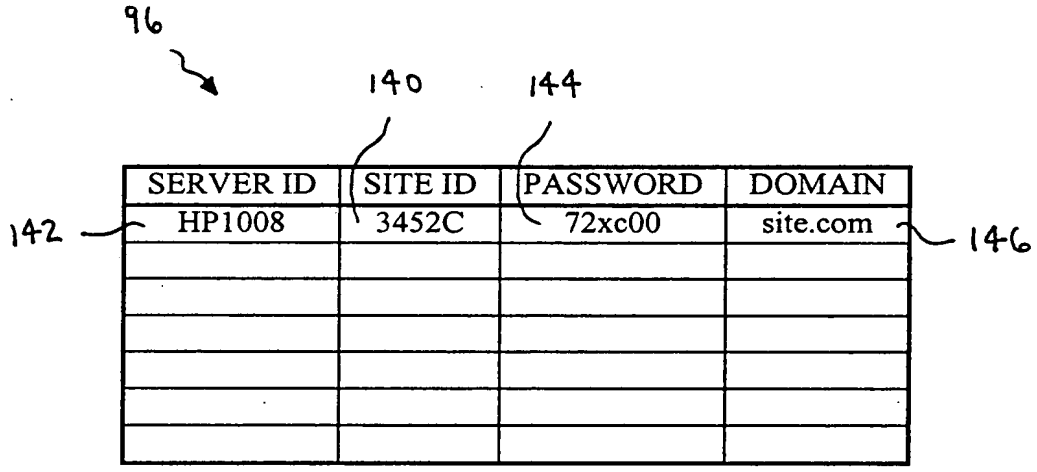

I/O MODULE
122
120
APPLICATION 1
120
APPLICATION 2
126
UPDATE MODULE
TRIGGER MODULE
124
120
APPLICATION n
ERROR DETECTION MODULE
128
116

FIG. 8



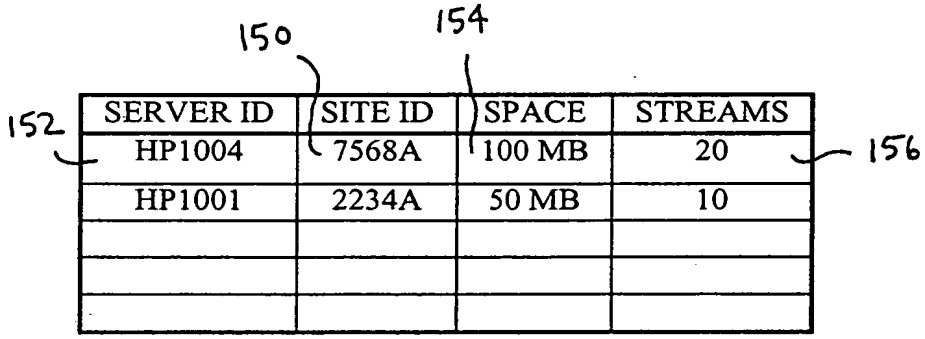
SERVER TABLE

FIG. 9



SITE TABLE

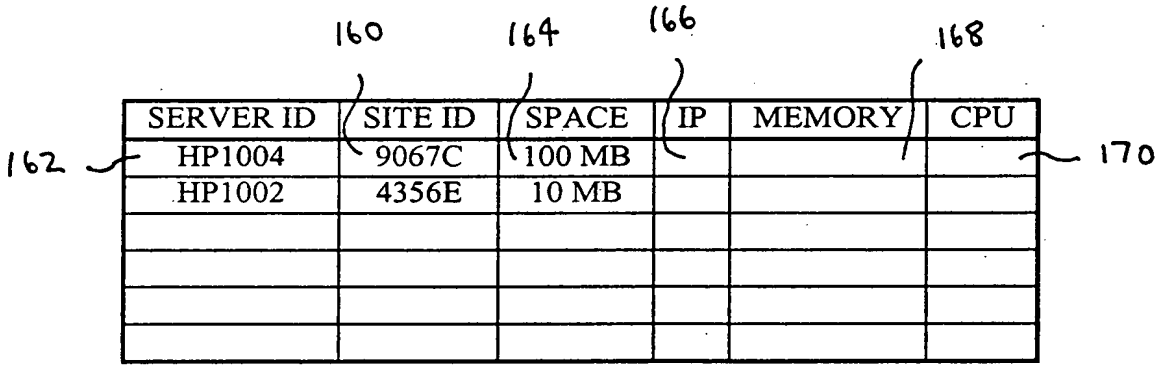
FIG. 10



SERVER ID	SITE ID	SPACE	STREAMS
HP1004	7568A	100 MB	20
HP1001	2234A	50 MB	10

MEDIA SERVER TABLE

FIG. 11



SERVER ID	SITE ID	SPACE	IP	MEMORY	CPU
HP1004	9067C	100 MB			
HP1002	4356E	10 MB			

WEB SERVER TABLE

FIG. 12

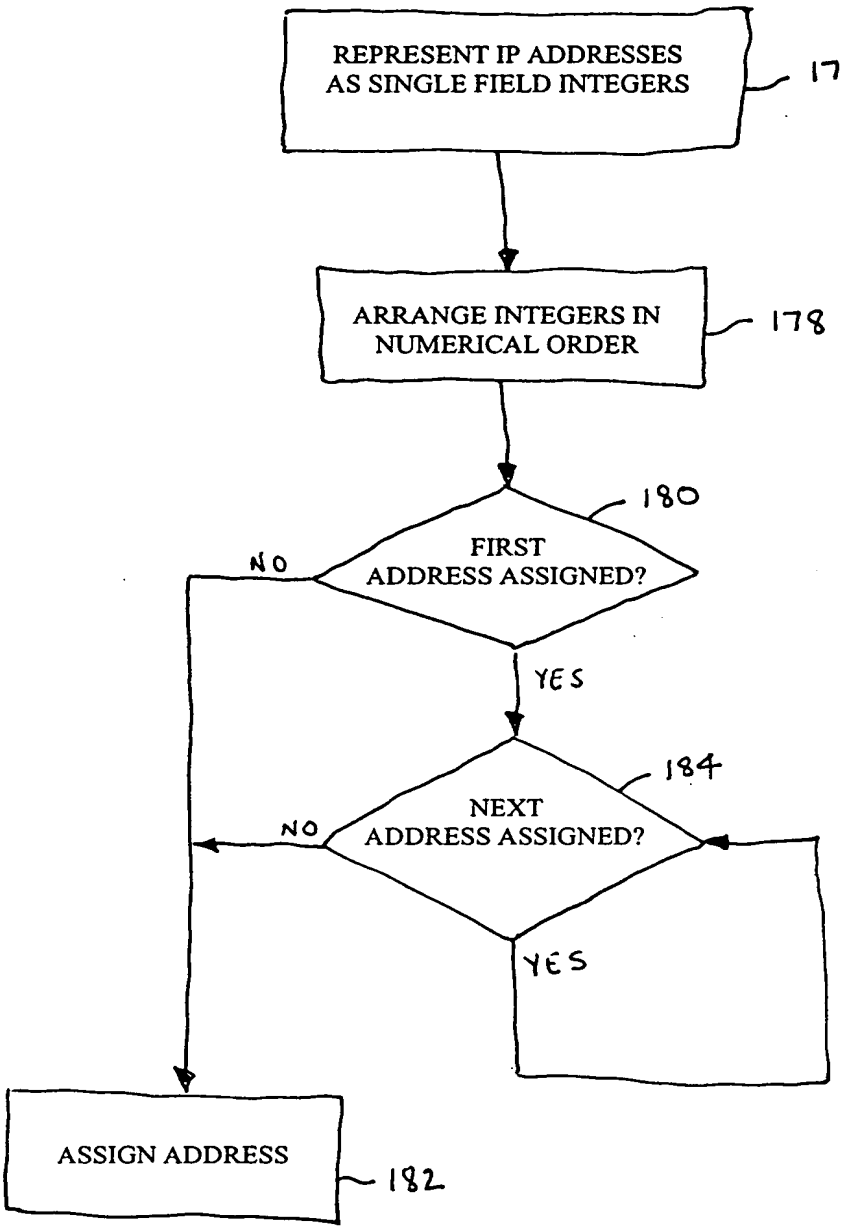

REPRESENT IP ADDRESSES AS SINGLE FIELD INTEGERS
176
ARRANGE INTEGERS IN NUMERICAL ORDER
178
180
FIRST ADDRESS ASSIGNED?
NO
YES
184
NEXT ADDRESS ASSIGNED?
NO
YES
ASSIGN ADDRESS
182

FIG. 13

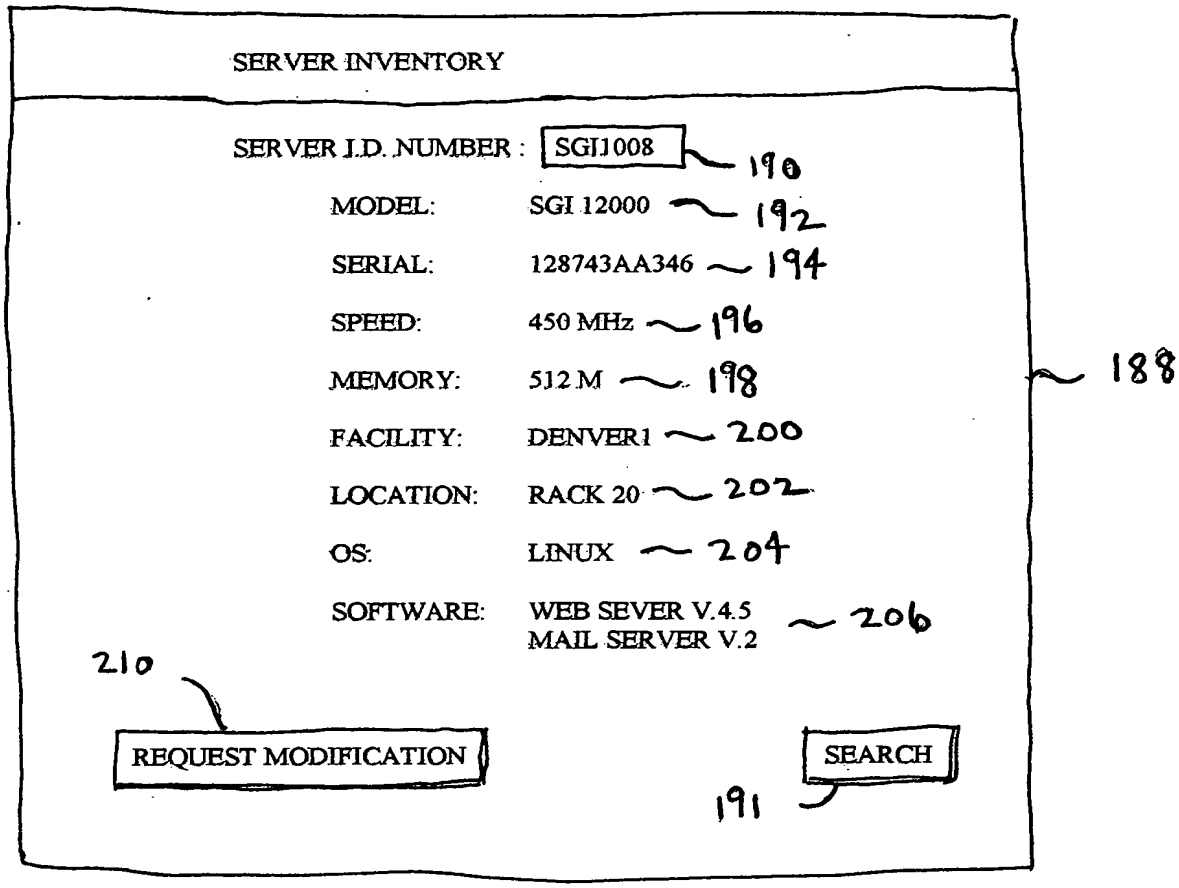

SERVER INVENTORY
SERVER I.D. NUMBER : SGI1008
190
MODEL: SGI 12000
192
SERIAL: 128743AA346
194
SPEED: 450 MHz
196
MEMORY: 512 M
198
188
FACILITY: DENVER1
200
LOCATION: RACK 20
202
OS: LINUX
204
SOFTWARE: WEB SEVER V.4.5
MAIL SERVER V.2
206
210
REQUEST MODIFICATION
SEARCH
191

FIG. 14